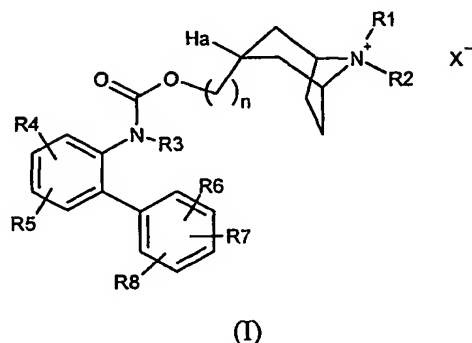


What is claimed is

1. A compound of formula (I) as indicated below



wherein:

n is 0 or 1;

Ha is a hydrogen atom in the exo position,

R1 and R2 are, independently, selected from the group consisting of a bond, hydrogen and methyl;

R3 is selected from the group consisting of hydrogen and C1-4 alkyl;

R4 and R5 are independently selected from the group consisting of hydrogen, halogen, C1-4 alkyl, C2-4 alkenyl, halo substituted C1-4 alkyl, (CR<sup>9</sup>R<sup>9</sup>)<sub>q</sub>OR<sub>a</sub>, hydroxy substituted C1-4 alkyl, and (CR<sup>9</sup>R<sup>9</sup>)<sub>q</sub>NC(O)R<sub>a</sub>

R6, R7 and R8 are, independently, selected from the group consisting of hydrogen, halogen, cyano, C1-4 alkyl, C2-4 alkenyl, C1-4 alkoxy, halo-substituted C1-4 alkyl, (CR<sup>9</sup>R<sup>9</sup>)<sub>q</sub>OR<sub>a</sub>, hydroxy substituted C1-4 alkyl, and (CR<sup>9</sup>R<sup>9</sup>)<sub>q</sub>NC(O)R<sub>a</sub>; or two of either R6, R7 or R8 moieties together may form a 5 to 6 membered saturated or unsaturated ring; and wherein the alkyl, aryl, arylalkyl, heteroaryl, heteroalkyl, heterocyclic, heterocyclicalkyl groups may be optionally substituted;

Ra is selected from the group consisting of hydrogen, C1-4 alkyl, and halo substituted C1-4 alkyl;

R9 is hydrogen or C1-4 alkyl

5 q is 0, or an integer having a value of 1 to 4;

X- is a physiologically acceptable anion, such as chloride, bromide, iodide, hydroxide, sulfate, nitrate, phosphate, acetate, trifluoroacetate, fumarate, citrate, tartrate, oxalate, succinate, mandelate, methanesulfonate and p-toluenesulfonate.

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2. A compound according to claim 1 selected from Examples 1 to 140.

3. A compound according to claim 1 selected from the group consisting of:

- (3-endo)-3-[[[(3'-chloro-2-biphenyl)amino]carbonyl}oxy)methyl]-8,8-dimethyl-  
 15 8-azoniabicyclo[3.2.1]octane trifluoroacetate;  
 (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-5-fluoro-2-biphenyl)carbamate trifluoroacetate;  
 (3-endo)-3-[[[(3'-chloro-5-fluoro-2-biphenyl)amino]carbonyl}oxy)methyl]-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane trifluoroacetate;  
 20 (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-3-methyl-2-biphenyl)carbamate trifluoroacetate;  
 (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl 2-biphenylcarbamate trifluoroacetate;  
 (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-2-biphenyl)carbamate;  
 (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-5-hydroxy-2-biphenyl)carbamate;  
 25 (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4-methyl-2-biphenyl)carbamate trifluoroacetate;  
 (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-6-fluoro-2-biphenyl)carbamate trifluoroacetate;  
 30 (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-fluoro-2-biphenyl)carbamate;  
 (3-endo)-3-[[[(3'-chloro-5-hydroxy-2-biphenyl)amino]carbonyl}oxy)methyl]-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane trifluoroacetate;

- (3-*endo*)-3-[[[(3'-chloro-4-fluoro-2-biphenyl)amino]carbonyl]oxy)methyl]-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-5-methyl-2-biphenyl)carbamate trifluoroacetate;
- 5 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4-fluoro-2-biphenyl)carbamate trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (4'-fluoro-3'-methyl-2-biphenyl)carbamate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (2',5-difluoro-2-biphenyl)carbamate
- 10 trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4,4'-difluoro-2-biphenyl)carbamate trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4'-fluoro-4-methyl-2-biphenyl)carbamate trifluoroacetate;
- 15 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4',5-difluoro-2-biphenyl)carbamate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4'-fluoro-2-biphenyl)carbamate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (2'-fluoro-2-biphenyl)carbamate;
- 20 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3',5-difluoro-2-biphenyl)carbamate trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (4',5-difluoro-3'-methyl-2-biphenyl)carbamate trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (4'-fluoro-2-biphenyl)carbamate;
- 25 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (5-fluoro-3'-methyl-2-biphenyl)carbamate trifluoroacetate;
- (3-*endo*)-3-[[[(3'-chloro-3-methyl-2-biphenyl)amino]carbonyl]oxy)methyl]-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-fluoro-4-methyl-2-biphenyl)carbamate trifluoroacetate;
- 30 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4'-fluoro-3-methyl-2-biphenyl)carbamate trifluoroacetate;

- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (4-methyl-2-biphenyl)carbamate  
 (3-*endo*)-3-([[(3'-chloro-6-fluoro-2-biphenyl)(methyl)amino]carbonyl}oxy)methyl]-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane trifluoroacetate;
- 5 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4'-fluoro-5-methyl-2-biphenyl)carbamate trifluoroacetate;  
 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (4-fluoro-2-biphenyl)carbamate;  
 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-methyl-2-biphenyl)carbamate;  
 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4',6-difluoro-2-
- 10 biphenyl)carbamate;  
 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (4'-fluoro-4-methyl-2-biphenyl)carbamate trifluoroacetate;  
 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (2'-fluoro-4-methyl-2-biphenyl)carbamate trifluoroacetate;
- 15 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (6-fluoro-2-biphenyl)carbamate;  
 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3',4-dichloro-4'-fluoro-2-biphenyl)carbamate trifluoroacetate;  
 (3-*endo*)-3-([[(3'-chloro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- 20 (3-*endo*)-3-([[(3'-chloro-3,4-difluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;  
 (3-*endo*)-3-([[(3'-chloro-5-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;  
 (3-*endo*)-3-([[(3'-chloro-4'-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-
- 25 8-azoniabicyclo[3.2.1]octane bromide;  
 (3-*endo*)-3-([[(3'-chloro-4',5-difluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;  
 (3-*endo*)-3-([[(3',5-dichloro-4'-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- 30 (3-*endo*)-3-([[(3'-chloro-4',6-difluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;

- (3-endo)-3-({[(3'-chloro-3-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3'-chloro-4',5-difluoro-2-biphenyl)carbamate;
- 5 (3-endo)-3-({[(3'-chloro-5-methyl-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-3-({[(3',5-dichloro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3'-chloro-3,4'-difluoro-2-biphenyl)carbamate;
- 10 (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3'-chloro-2-biphenyl)carbamate;
- (3-endo)-3-({[(3'-chloro-6-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3'-chloro-4',6-difluoro-2-biphenyl)carbamate;
- 15 (3-endo)-3-({[(3-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3',5-dichloro-4'-fluoro-2-biphenyl)carbamate;
- 20 (3-endo)-3-({[(3'-chloro-4-methyl-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-3-({[(2-biphenylamino)carbonyl]oxy})-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-3-({[(3'-chloro-4'-fluoro-4-methyl-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- 25 (3-endo)-3-({[(5-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-3-({[(3'-chloro-4-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- 30 (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3-fluoro-2-biphenyl)carbamate;
- (3-endo)-3-({[(3',4-dichloro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;

- (3-endo)-3-([(5-chloro-2-biphenyl)amino]carbonyl)oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-8,8-dimethyl-3-([(4-methyl-2-biphenyl)amino]carbonyl)oxy)-8-azoniabicyclo[3.2.1]octane bromide;
- 5 (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (5-fluoro-2-biphenyl)carbamate;
- (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3'-chloro-6-fluoro-2-biphenyl)carbamate;
- (3-endo)-3-([(3'-chloro-3-methyl-2-biphenyl)amino]carbonyl)oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide; and
- 10 (3-endo)-3-([(6-fluoro-2-biphenyl)amino]carbonyl)oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide.

4. A compound according to claim 3 selected from the group consisting of:
- (3-endo)-3-([(3'-chloro-2-biphenyl)amino]carbonyl)oxy)methyl]-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane trifluoroacetate;
- 15 (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-5-fluoro-2-biphenyl)carbamate trifluoroacetate;
- (3-endo)-3-([(3'-chloro-5-fluoro-2-biphenyl)amino]carbonyl)oxy)methyl]-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane trifluoroacetate;
- 20 (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-3-methyl-2-biphenyl)carbamate trifluoroacetate;
- (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl 2-biphenylcarbamate trifluoroacetate;
- (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-2-biphenyl)carbamate;
- (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-5-hydroxy-2-biphenyl)carbamate;
- 25 (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4-methyl-2-biphenyl)carbamate trifluoroacetate;
- (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-6-fluoro-2-biphenyl)carbamate trifluoroacetate;
- 30 (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-fluoro-2-biphenyl)carbamate;
- (3-endo)-3-([(3'-chloro-5-hydroxy-2-biphenyl)amino]carbonyl)oxy)methyl]-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane trifluoroacetate;

- (3-*endo*)-3-([[(3'-chloro-4-fluoro-2-biphenyl)amino]carbonyl}oxy)methyl]-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-5-methyl-2-biphenyl)carbamate trifluoroacetate;
- 5 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4-fluoro-2-biphenyl)carbamate trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (4'-fluoro-3'-methyl-2-biphenyl)carbamate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (2',5-difluoro-2-biphenyl)carbamate
- 10 trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4,4'-difluoro-2-biphenyl)carbamate trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4'-fluoro-4-methyl-2-biphenyl)carbamate trifluoroacetate;
- 15 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4',5-difluoro-2-biphenyl)carbamate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4'-fluoro-2-biphenyl)carbamate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (2'-fluoro-2-biphenyl)carbamate;
- 20 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3',5-difluoro-2-biphenyl)carbamate trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (4',5-difluoro-3'-methyl-2-biphenyl)carbamate trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (4'-fluoro-2-biphenyl)carbamate;
- 25 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (5-fluoro-3'-methyl-2-biphenyl)carbamate trifluoroacetate;
- (3-*endo*)-3-([[(3'-chloro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-*endo*)-3-([[(3'-chloro-3,4'-difluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-
- 30 dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-*endo*)-3-([[(3'-chloro-5-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;

- (3-endo)-3-({[(3'-chloro-4'-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-3-({[(3'-chloro-4',5-difluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- 5 (3-endo)-3-({[(3',5-dichloro-4'-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-3-({[(3'-chloro-4',6-difluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-3-({[(3'-chloro-3-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-10 8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3'-chloro-4',5-difluoro-2-biphenyl)carbamate;
- (3-endo)-3-({[(3'-chloro-5-methyl-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- 15 (3-endo)-3-({[(3',5-dichloro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3'-chloro-3,4'-difluoro-2-biphenyl)carbamate;
- (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3'-chloro-2-biphenyl)carbamate;
- 20 (3-endo)-3-({[(3'-chloro-6-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3'-chloro-4',6-difluoro-2-biphenyl)carbamate;
- (3-endo)-3-({[(3-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-25 azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3',5-dichloro-4'-fluoro-2-biphenyl)carbamate;
- (3-endo)-3-({[(3'-chloro-4-methyl-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- 30 (3-endo)-3-({[(2-biphenylamino)carbonyl]oxy})-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;



- (3-*endo*)-3-({[(3'-chloro-4'-fluoro-4-methyl-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-*endo*)-3-({[(5-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- 5 (3-*endo*)-3-({[(3'-chloro-4-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-*endo*)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3-fluoro-2-biphenyl)carbamate;
- (3-*endo*)-3-({[(3',4-dichloro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- 10 (3-*endo*)-3-({[(5-chloro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-*endo*)-8,8-dimethyl-3-({[(4-methyl-2-biphenyl)amino]carbonyl}oxy)-8-azoniabicyclo[3.2.1]octane bromide;
- (3-*endo*)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (5-fluoro-2-biphenyl)carbamate;
- 15 and
- (3-*endo*)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3'-chloro-6-fluoro-2-biphenyl)carbamate.
5. A compound according to claim 4 selected from the group consisting of
- 20 (3-*endo*)-3-({[(3'-chloro-2-biphenyl)amino]carbonyl}oxy)methyl]-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-5-fluoro-2-biphenyl)carbamate trifluoroacetate;
- (3-*endo*)-3-({[(3'-chloro-5-fluoro-2-biphenyl)amino]carbonyl}oxy)methyl]-8,8-
- 25 dimethyl-8-azoniabicyclo[3.2.1]octane trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-3-methyl-2-biphenyl)carbamate trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl 2-biphenylcarbamate trifluoroacetate;
- (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-2-biphenyl)carbamate;
- 30 (3-*endo*)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-5-hydroxy-2-biphenyl)carbamate;

- (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-4-methyl-2-biphenyl)carbamate trifluoroacetate;
- (3-endo)-8-azabicyclo[3.2.1]oct-3-ylmethyl (3'-chloro-6-fluoro-2-biphenyl)carbamate trifluoroacetate;
- 5 (3-endo)-3-({[(3'-chloro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-3-({[(3'-chloro-3,4'-difluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-3-({[(3'-chloro-5-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-
- 10 8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-3-({[(3'-chloro-4'-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-3-({[(3'-chloro-4',5-difluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- 15 (3-endo)-3-({[(3',5-dichloro-4'-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-3-({[(3'-chloro-4',6-difluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-3-({[(3'-chloro-3-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-
- 20 8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3'-chloro-4',5-difluoro-2-biphenyl)carbamate;
- (3-endo)-3-({[(3'-chloro-5-methyl-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- 25 (3-endo)-3-({[(3',5-dichloro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3'-chloro-3,4'-difluoro-2-biphenyl)carbamate;
- (3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3'-chloro-2-biphenyl)carbamate;
- 30 (3-endo)-3-({[(3'-chloro-6-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;

- (3-*endo*)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3'-chloro-4',6-difluoro-2-biphenyl)carbamate;
- (3-*endo*)-3-({[(3-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- 5 (3-*endo*)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl (3',5-dichloro-4'-fluoro-2-biphenyl)carbamate;
- (3-*endo*)-3-({[(3'-chloro-4-methyl-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- (3-*endo*)-3-({[(2-biphenylamino)carbonyl]oxy})-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide;
- 10 (3-*endo*)-3-({[(3'-chloro-4'-fluoro-4-methyl-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide; and
- (3-*endo*)-3-({[(5-fluoro-2-biphenyl)amino]carbonyl}oxy)-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane bromide.
- 15
6. A pharmaceutical composition for the treatment of muscarinic acetylcholine receptor mediated diseases comprising a compound according to claim 1 and a pharmaceutically acceptable carrier thereof.
- 20 7. A method of inhibiting the binding of acetylcholine to its receptors in a mammal in need thereof comprising administering a safe and effective amount of a compound according to claim 1.
8. A method of treating a muscarinic acetylcholine receptor mediated disease,
- 25 wherein acetylcholine binds to said receptor, comprising administering a safe and effective amount of a compound according to claim 1.
9. A method according to claim 8 wherein the disease is selected from the group consisting of chronic obstructive lung disease, chronic bronchitis, asthma,
- 30 chronic respiratory obstruction, pulmonary fibrosis, pulmonary emphysema and allergic rhinitis.

10. A method according to claim 8 wherein administration is via inhalation via the mouth or nose.
11. A method according to claim 8 wherein administration is via a medicament  
5 dispenser selected from a reservoir dry powder inhaler, a multi-dose dry powder inhaler or a metered dose inhaler.
12. A method according to claim 11 wherein the compound has a duration of action of 24 hours or more.